

What is claimed is:

1. A hand router (10) having a housing (12) and a tool (22) attached to it in a rotary drivable fashion, which it is possible to operate in the intended manner by means of a suction air flow, in particular by means of a vacuum cleaner,
5 wherein a suction air-drivable turbine with a radial or Pelton turbine wheel (32) provided with means for calming the air flowing in and/or out, in particular an inlet and outlet grating (30, 26), is used as the drive, the housing (12) being comprised of a number of tube-like parts (13, 14, 15), which it is possible to
10 axially connect with one another by means of flanges (36, 38).
2. The hand router as recited in claim 1,
wherein the housing (12) encompasses the tool (22) concentrically in the lower region (14).
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3. The hand router as recited in claim 1 or 2,
wherein the outlet grating (26) has air-conveying elements (28) that are embodied in the form of curved vanes.
- 20 4. The hand router as recited in one of the preceding claims,
wherein the outlet grating (26) serves as a bearing seat for the turbine wheel (32).
5. The hand router as recited in one of the preceding claims,
25 wherein the inlet grating (30) and the outlet grating (26) are incorporated into the structure of the motor housing (13) in a reinforcing fashion.
6. The hand router as recited in one of the preceding claims,
wherein the suction air flow comprised of low-dust air used for driving the turbine
30 wheel (32) is routed separately from a dust air flow so that dust-laden air sucked

from a work piece does not come into contact with moving parts of the hand-guided power tool and/or parts of the power tool that convey the driving air.

7. The hand router as recited in one of the preceding claims,

5 wherein the air used for driving the turbine wheel (32) travels into the housing (12) via air inlet openings (60) that are situated far above the tool (22).

8. The hand router as recited in one of the preceding claims,

10 wherein the housing (12) has a radio switch that is able to actuate a counterpart switch that switches the vacuum cleaner on and off and it is thus possible to switch the hand power tool on and off at the same time.

9. The hand router as recited in one of the preceding claims,

15 wherein it has a switch for speed adjustment, in particular an operating button coupled to a throttle valve situated in the suction air flow.

10. The hand router as recited in one of the preceding claims,

wherein the diameter of the grip region (14) corresponds to that of a vacuum cleaner hose.